

RCx 101

A Technical Introduction to Existing Building Commissioning

Preparing for the Year Long Class



Instructor:

David Sellers

Senior Engineer

Facility Dynamics Engineering

Step 1 – Run!



Step 1 – Find a Building



NEXT STEPS

Step 1 – Find a Building

(And Get Permission to Use it For Your Project)



NEXT STEPS

Step 2 – Begin to Gather Information

1. Drawings

- Mechanical and Electrical Plans
- Control Drawings
- Architectural Drawings
- Equipment Submittals for Major Equipment

2. Utility Data

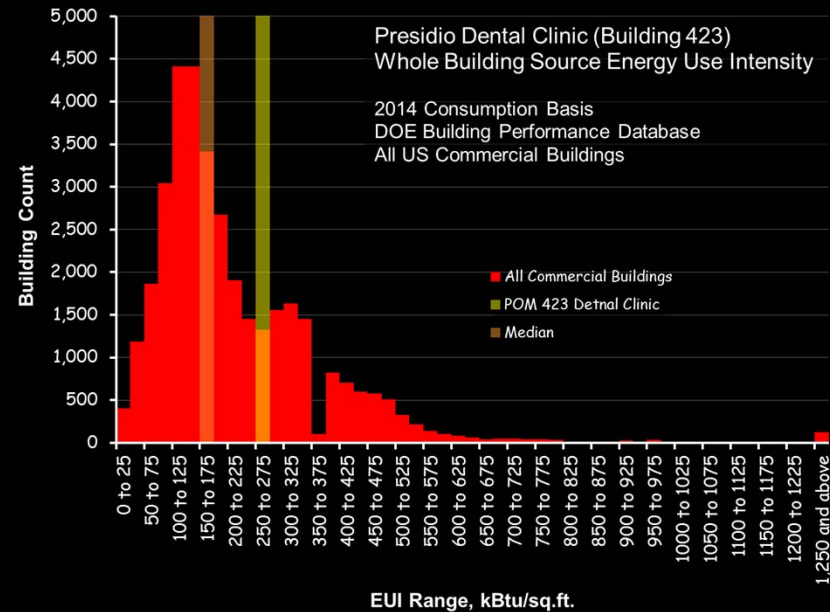
- Monthly Bills
- Interval Data

3. Reports and Operational Information

- Test and Balance Reports
- Audits
- Commissioning Reports

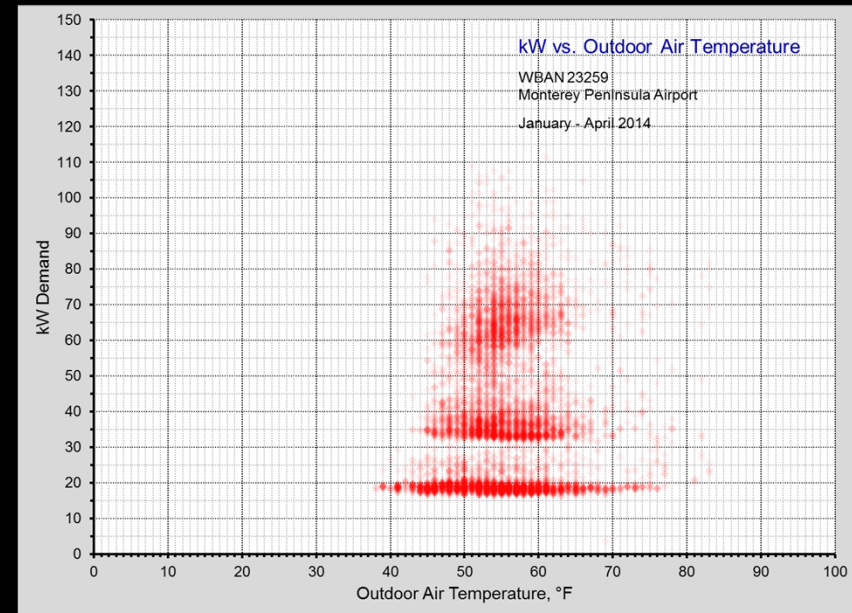
Step 3 – Benchmark the Building

1. DOE Building Performance Database
2. EnergyStar



Step 4 – Perform a Utility Analysis

1. Average Daily Energy Consumption
2. Interval Data Analysis



Step 5 – Join the Cloud Appreciation Society

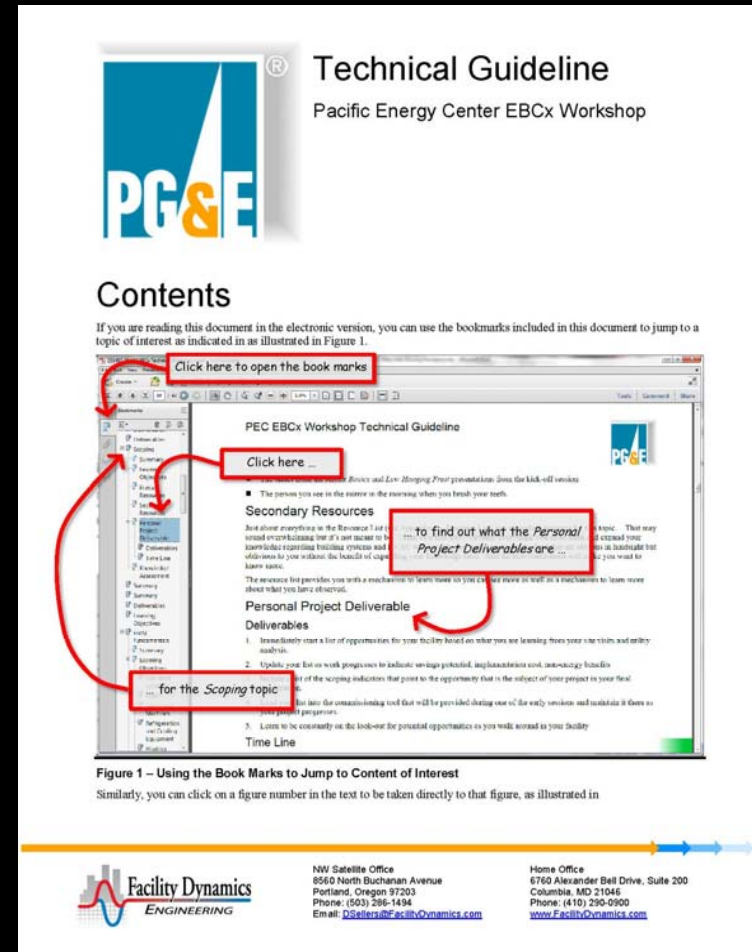
1. Begin to Look for Shapes in the Clouds



NEXT STEPS

Step 6 – Begin Self Study

1. Reference the technical Guide
2. Reference the Resource List
3. Attend Classes of Interest in the Design, Performance and Commissioning Issues Series



Step 7 – Scope Out Your Facility

1. Look for Obvious Indicators of Opportunity
2. Begin to Connect the Dots



Step 8— Come to the Class June 28th

1. Be Ready to Learn
2. Be Ready to Work Hard
3. Be Ready to Think Outside the Box
4. Be Ready to Get Dirty
5. Be Ready to Trust Yourself
6. Be Ready to Have Fun

